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Approved For Release	2005/05/20 : CIA-RDP78B0	<u> </u>
1. PROJECT TITLE/CODE NAME Fibre-Optic Viewer Modifi- cation	assisted film transpor	
		viewer.
5. CLASS OF CONTRACTOR	6. TYPE OF CONTRACT	P
Manufacturer 7. FUNDS	O DE OUT OF THOM NO	DURGET DOCUMENT
	8. REQUISITION NO.	9. BUDGET PROJECT NO.
FY 19 \$		NP-DV-8
FY 19 66 \$	10. EFFECTIVE CONTRACT DATE (Begin : end) 15 February - 30 June	11. SECURITY CLASS. A.A Confidential 1966 T Unclassified
FY 19 \$	(est.)	
DDI/NPIC/P&DS	JECT OFFICER TELEPHONE EXTENSION	55.
The primary benefit of fatigue while operating the were requested by CIA/IAD an	fibre-optic viewer. Sp	l be the reduction of operator cifically, these modifications instrument.
Engineering Development		
5. CATEGORIES OF EFFORT MAJOR CATEGORY		
MASON BRIESON	and the section of th	SUB-CATEGORIES :
	Ti m Transport S	ystems
Direct Viewers	Interpretation/A	Lalysis
physical power required to t film slewing. The image alt a change detection device. 17. SUPPORTING OR RELATED CONTRACTS (4)	dification will reduce ransport the film and wernator modification wi	operator fatigue by reducing the till also permit motorized rapid il make the viewer, in effect,
it has been determined that	this effort will not du	t the Intelligence Community, plicate any existing program.
 DESCRIPTION OF INTELLIGENCE REQUIRE tional page if required) 	MENT AND DETAILED TECHNICAL DE	SCRIPTION OF PROJECT (Continue on addi-
system prohibit maximum util tion of the viewer, satisfac apparent and other methods o	ersatile, certain limit ization of the instrume tory solutions to these f implementation were e	552-A Stereoviewer has proven titions in the film transport at. At the time of the concepproblems were not readily apployed. Now, two and a half colutions to the problems are
available.		(Contd)
19. APPROVED BY AND DATE		

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Fibre-Optic Viewer Modifi-cation	assist	T PROJECT DESCRIPTION This project describes ted film transport syst n to the existing fibre	em and	an ima	age alternato	
		A CATION OF CONT	RACTOR		viewer.	
5. class of contractor Manufacturer		6. TYPE OF CONTRACT FP				
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FY 19 \$		(est.)	<u> </u>	- Unc	lassified	
2. RESPONSIBLE DIRECTORATE/OFFICE/PR	OJECT OFF	CER TELEPHONE EXTENSION				
DDI/NPIC/P&DS						
3. REQUIREMENT/AUTHORITY						
The primary benefit of	these r	modifications will be t	the red	hetion	of operator	
fatigue while operating the	fibre-	optic viewer. Specific	cally,	these .	modification	
were requested by CIA/IAD a	nd will	be made to their instr	rument.			
4. TYPE OF WORK TO BE DONE						
Engineering Development						
				1		
5. CATEGORIES OF EFFORT MAJOR CATEGORY		SUB.C	ATEGORIES	1		
MAJON CATEGORY	-	300-0.				
		Film Transport System	S			
Direct Viewers	Interpretation/Analysis					
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R&D CATALOG FORM Continued ...

Secretaria

NP-DV-8

18. Specifically, it is proposed to replace the manually operated film transports with power assisted transports, in which electric motors supply 85% of the necessary torque to the film spools. In addition, a high speed, completely motor driven, slew mode will be provided. This modification should substantially reduce fatigue and increase the efficiency of manual operation.

The image alternator modification will add the capability of alternating images from each optical channel, as seen by the operator, in the superimposed or stereo viewing modes. The mechanism will fit into existing space in the eyepiece assembly. This modification will permit evaluation of the change detection principle on operational materials without building an instrument specifically for this purpose.

Since these modifications require that the instrument be taken out of operation, it is recommended that both modifications be undertaken simultaneously to minimize this "down" time.

The cost of the Image	Alternator	modification i	.s	and	th:
Power-Assisted Film Transpo	ort is	for a tota	l of	•	

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